

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/DK2004/000407

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K16/14 A61K39/395 C07K14/38 C12N15/11 C12N5/10  
A61K38/00 G01N33/50

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, EMBASE, BIOSIS, Sequence Search, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE UniProt 'Online! 30 May 2000 (2000-05-30), "3-isopropylmalate dehydrogenase B (EC 1.1.1.85) (Beta-IPM dehydrogenase B) (IMDH B) (3-IPM-DH B)." XP002307500 retrieved from EBI accession no. UNIPROT:LE3B_ASPNG Database accession no. LE3B_ASPNG abstract</p> <p style="text-align: center;">-/--</p>	<p>12-17, 30-32, 35-38</p>

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

### \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

20 April 2005

Date of mailing of the international search report

03.06.2005

Name and mailing address of the ISA

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## C.(Continuation) "DOCUMENTS CONSIDERED TO BE RELEVANT"

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	-& WILLIAMS B A ET AL: "Isolation by genetic complementation of two differentially expressed genes for beta-isopropylmalate dehydrogenase from <i>Aspergillus niger</i> " CURRENT GENETICS, vol. 30, no. 4, 1996, pages 305-311, XP002307495 ISSN: 0172-8083 figure 1	12-17, 30-32, 35-38
X	----- DATABASE Geneseq 'Online! 24 December 1998 (1998-12-24), "Aspergillus fumigatus protein 3." XP002307501 retrieved from EBI accession no. GSN:AAW69392 Database accession no. AAW69392 abstract	12-17, 30-32, 35-38
A	----- BOUCHARA J P ET AL: "Adhesion and pathogenicity in <i>Aspergillus</i> infections" MEDECINE ET MALADIES INFECTIEUSES 1999 FRANCE, vol. 29, no. 11, 1999, pages 705-711, XP002307496 ISSN: 0399-077X the whole document	1-32, 35-45, 50-60
A	----- HANSEN MIA YOUNG ET AL: "Allergens in <i>Aspergillus fumigatus</i> : I. Characterization of two different allergen extracts and evaluation of their stability and the importance of carbohydrate for IgE binding" ALLERGY (COPENHAGEN), vol. 49, no. 4, 1994, pages 235-241, XP009040600 ISSN: 0105-4538 the whole document	1-32, 35-45, 50-60
A	----- REIJULA K E ET AL: "MONOCLONAL ANTIBODIES BIND IDENTICALLY TO BOTH SPORES AND HYPHAE OF <i>ASPERGILLUS-FUMIGATUS</i> " CLINICAL AND EXPERIMENTAL ALLERGY, vol. 22, no. 5, 1992, pages 547-553, XP001184000 ISSN: 0954-7894 the whole document	1-29

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:  
1-22 (partially), 23-24 (completely), 25-32 (partially), 35-44 (partially)  
45 (completely), 50-60 (partially)
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☒ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-22 (partially), 23-24 (completely), 25-32 (partially), 35-44 (partially), 45 (completely), 50-60 (partially)

Claims relating to IMDH B (SEQ ID NO 36), homologues and fragments thereof, antibodies directed thereto and further applications of these components

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2. claims: 1-16, 18-22 (partially), 25-44 (partially), 46 (completely), 50-60 (partially)

Claims relating to Cssi (SEQ ID NO 1), homologues and fragments thereof, antibodies thereto and further applications of these components

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3. claims: 1-16, 18-20 (partially), 25-44 (partially), 47 (completely), 50-53 (partially), 57-60 (partially)

Claims relating to hydrophobin (SEQ ID NO 2), homologues and fragments thereof, antibodies directed thereto and further applications of these components

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4. claims: 1-16, 18-20 (partially), 25-31 (partially), 36-44 (partially), 48 (completely), 50-60 (partially)

Claims relating to GAPDH-B (SEQ ID NO 3), homologues and fragments thereof, antibodies directed thereto and further applications of these components

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5. claims: 1-16, 18-20 (partially), 25-31 (partially), 36-44 (partially), 49 (completely), 50-60 (partially)

Claims relating to catalase A (SEQ ID NO 6), homologues and fragments thereof, antibodies directed thereto and further applications of these components

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6. claims: 30-34 (partially), 36-44 (partially), 50-53 (partially)

Claims relating to enolase (SEQ ID No 4), fragments thereof; applications thereof

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7. claims: 30-33 (partially), 35-44 (partially), 50-53 (partially)